

CITY OF MOUNTAIN VIEW

→ Russ
→ Intel File

Water
(415) 966-6329

September 28, 1982

Mr. Brian H. Rector
Environmental Specialist
Intel Corporation
3055 Sowers Avenue
Santa Clara, CA 95051

Dear Mr. Rector:

PERMIT TO DISCHARGE POLLUTED WELL WATER INTO THE SEWER SYSTEM AT 365 MIDDLEFIELD ROAD, MOUNTAIN VIEW

A permit is granted for the above-named facility to discharge well water, polluted with organic solvents into the sanitary sewer system according to the following conditions:

1. Well pumping rate shall be approximately 33,000 gallons per day.
2. The monitoring program shall consist of one sampling day per week. On Wednesday, samples shall be taken at the discharge of each carbon bed using appropriate sampling techniques to avoid loss of volatile constituents. A sample shall be analyzed for trichloroethylene, xylene, and chemical oxygen demand (COD). All the samples shall be analyzed by a laboratory acceptable to the Manager of Water Quality Control Plant and Water Gas Sewer, City of Palo Alto.

A measurement of combustible gases shall be made in the unopened manhole nearest the property line using a Mining Safety and Health Administration approved combustible gas detector. The measurements shall be made each Monday, until the City approves discontinuing this test.

3. A period of sixty (60) days, starting with the first day of discharge will be allowed to demonstrate compliance with the limits specified in the enclosed interim policy. The permit will expire at the end of 60 days if consistent compliance has not been achieved by that time. Any changes in the policy will not affect the permit conditions during this 60-day period.
4. If consistent compliance is achieved, this permit will remain in effect until March 1, 1983 so long as continued monitoring demonstrates consistent compliance and the policy in force allows continued discharge. The discharge shall be stopped immediately whenever noncompliance is found until the problem is corrected. The permit may be modified or revoked if policy changes dictate the need.

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5. Reports of TCE, xylene and COD concentrations and well pumping rate shall be phoned into Ash Chapman (415) 329-2287 as results are available, with monthly written summary forwarded to this office.
6. Charges will be at the rate of \$.65 per 100 cubic feet of discharge into the sewer system and shall be payable to the City of Mountain View monthly.
7. Discharge standards shall be in accordance with the interim policy, a copy of which is enclosed for your reference. The policy is subject to review, revisions, and modifications by our staff, the Regional Water Quality Control Board, and other regulatory boards involved in environmental safety and hazardous waste management.

Please indicate your acceptance of the terms of this permit by responding with a letter to that effect, addressed to me. Questions may be directed to Ash Chapman or Doris Haez at (415) 329-2334.

Very truly yours,

Norman H. Lougee
Water Engineer

NHL/Y
T-B10-11

Enclosure

cc: Mr. Steven T. Hayashi
City of Palo Alto

SEP 21 1982

INTERIM POLICY CONCERNING THE ACCEPTANCE OF
CONTAMINATED WELL PUMPING INTO SANITARY SEWER OF THE
PALO ALTO WATER QUALITY CONTROL PLANT
SERVICE AREA

The discharge into the sanitary sewer of well water contaminated with organic solvents and other hazardous materials shall be controlled as follows:

PERMIT REQUIREMENTS

A special permit from the Superintendent of Water Quality Control shall be required for the discharge of such water in to the sanitary sewer.

The request for a permit shall include:

1. A complete characterization of the water proposed for discharge.
2. The proposed rate of discharge.
3. An estimate of the duration of the discharge.

DISCHARGE REQUIREMENTS

The quality of any such water discharged into the sanitary sewer system shall comply with the requirements of the Industrial Waste Ordinance with the exception of organic solvents. Chemical Oxygen Demand (COD) of the undiluted discharge from the well shall not exceed 1000 mg/L. At the point of discharge to the City sewer, the following restrictions apply:

The concentration of any individual organic compound listed in Table I as a Priority Pollutant shall not exceed 0.5 mg/L or a maximum of 0.5 Kg/day, except 1,1,1 trichloroethane which shall not exceed 10 mg/L or 3 Kg/day. Furthermore, the sum of the concentrations of trichloroethylene, trichlorotrifluoroethane, tetrachloroethylene, and benzene shall not exceed 2.0 mg/L or 2.0 Kg/day.

No concentration of any material may be discharged that will cause an explosive atmosphere in the sewer at the point of discharge.

No organic solvent undissolved in the water may be discharged.

MONITORING AND REPORT REQUIREMENTS

Unless waived in the permit, the discharger shall monitor the concentrations of the pollutants of concern in the City sewer on Wednesday of each week before and after the discharge enters the City sewer and as further specified below.

A sample of the discharge shall be collected by the discharger at times specified in the permit, using sample collection procedures approved by the Environmental Protection Agency for volatile organic compounds in water, and analyzed by a laboratory approved by the California Department of Health Services for such analyses. Reports of such analyses shall include the method reference, analytical conditions, sensitivity and detection limits and the concentration of identified compounds, date and time of sample. Method of analysis used must be among those approved by the Environmental Protection Agency and be capable of detecting 0.1 mg/L or organic constituents found in the discharge which are

listed in Table I. Reports shall be submitted to the Superintendent of Water Quality Control or his designated representative as soon as they are available to the discharger. On Monday, Wednesday and Friday, unless waived by the permit, the discharger shall check the explosive level of the sewer atmosphere at the point of discharge and report to the Superintendent of Water Quality Control or his representative. Where tests indicate that allowable limits are exceeded in any sample, the discharger shall immediately stop the discharge. The discharge shall not be resumed until the cause of the violation has been corrected.

CHARGES

The discharger shall pay for the well discharge at the sewer service rate for the customer class to which his operation is assigned but no less than \$3.00/day.

CONDITIONS

The Superintendent of Water Quality Control has the right to modify or terminate this policy and permits issued under its terms.

Stephen T. Hayashi,
Manager of WQCP & WGS

Table I
Priority Pollutants

Chlorinated Alkanes
Methyl Chloride
Methylene Chloride
Methyl Bromide
Chloroform
Bromoform
Carbon Tetrachloride
Dichlorobromomethane
Trichlorofluoromethane
Tetrachloroethane
Chlorobromomethane
Chloroethane
1,1-Dichloroethane
1,1-Dichloroethane
1,1,1-Trichloroethane
1,1,2-Trichloroethane
1,1,2,2-Tetrachloroethane
Hexachloroethane
1,1-Dichloroethylene
1,2-Trans-Dichloroethylene
1,2-Dichloropropane
1,2-Dichloropropylene
Tetrachloroethylene
Tetrachloroethylene
Vinyl Chloride
Hexachlorobutadiene
Hexachlorocyclopentadiene
Chlorinated Aromatics
1,2,4-Trichlorobenzene
Chlorobenzene
Hexachlorobenzene
2-Chloronaphthalene
1,2-Dichlorobenzene
1,2-Dichlorobenzene
1,4-Dichlorobenzene

Chlorinated Ethers
bis(Chloromethyl) Ether
2-Chloromethyl Vinyl Ether
4-Bromophenyl Phenyl Ether
bis(7-Chloroethoxy) Methane
bis(7-Chloroethyl) Ether
4-Chlorophenyl Phenyl Ether
bis(7-Chloroisopropyl) Ether
Aromatics
Benzene
Toluene
Ethylbenzene
Naphthalene
Fluoranthene
Acenaphthene
Benz(a) Anthracene
Benzo(a) Pyrene
Chrysene
Indeno(1,2,3-c,d)pyrene
2,4-Benzofluoranthene
Benzo(k)fluoranthene
Acenaphthylene
Anthracene
Benzo(ghi)perylene
Fluorene
Phenanthrene
Dibenz(a,h)anthracene
Pyrene
Phthalate Esters
bis(7-ethylheptyl)phthalate
Butyl Benzyl Phthalate
Di-n-butyl Phthalate
Di-n-octyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate

Phenols
Phenol
2-Chlorophenol
2,4-Dichlorophenol
Pentachlorophenol
2-Nitrophenol
2,4-Dimethylphenol
4-Nitrophenol
2,4-Dinitrophenol
4,6-Dinitro-o-cresol
2,4,6-Trichlorophenol
para-Chloro-meta-Cresol
Substituted Aromatics
Nitrobenzene
2,4-Dinitrotoluene
2,6-Dinitrotoluene
2,2,7,8-Tetrachlorodibenzo-
p-Dioxin
Benidine
2,3-Dichlorobenzidine
1,3-Diphenyl Hydrazine
Polychlorinated Biphenyls
PCB-1242 PCB-1271 PCB-1280
PCB-1254 PCB-1232 PCB-1016
PCB-1248
Miscellaneous
Acrolein
Acrylonitrile
Asbestos
Cyanide
Isophorone
N-Nitrosodimethylamine
N-Nitrosodiphenylamine
N-Nitrosodipropylamine

Pesticides
Aldrin
Dieldrin
Chlordane
4,4-DDT
4,4-DDE
4,4-DDD
o-Endosulfan-alpha
o-Endosulfan-beta
Endosulfan Sulfate
Endrin
Endrin Aldehyde
Heptachlor
Heptachlor Epoxide
o-BHC - Alpha
o-BHC - Beta
o-BHC(Lindane)-Gamma
o-BHC - Delta
Toxaphene
Metals
Antimony
Arsenic
Beryllium
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Selenium
Silver
Thallium
Zinc